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## Facebook literacy in education

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### Abstract

Recently there have been lots of development in technology. These developments create a base of information society. Especially social networks are one of the stone that help to create a base of information society. Facebook is widely used in the present century. The aim of this study to investigate the students' levels of literacy Facebook through the gender, class, having computer, how many hours spending on computers, having access internet, how many hours spending on internet, the purpose of using internet, which devices use to accessing internet, member a social network, which social networks member, how many hours spending on social networks variables. As a result of this study there have been a significant in the variable of "which social network are you member" in Facebook and Google plus and also "how many hours spending on social networks". SPSS 20 was used to analyze the data.

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### 1. INTRODUCTION

In the information society, in parallel with the development of technology concepts have gained size. The development of technology in the information society has also changed the desired features of individuals. Information society, individuals seeking knowledge, information, classify, has features that can store and evaluate appropriate environment (Numanoğlu, 1999). Information literate individual, it is necessary in the face

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of ever-increasing and changing information, classification of information, analysis and synthesis can be done. According to Gündüz ve Odabaşı (2004), people in the information society, knowledge of who knows how to have access to necessary information and can use the new information is required to be capable of producing individuals. Which has become the building blocks of modern society, the concept of information literacy has brought. The concept of information literacy is constantly increasing and changing the information he needs from a pile of information, classifying and sizing information, individuals can produce new knowledge can be explained in the light of new information. This concept has gained new dimensions in parallel with the development of technology (Akkoyunlu, 2008). Media literacy, internet literacy, digital literacy and etc. There are concepts in the literature of technology developments in the infrastructure. Facebook is not in the literature on the concept of literacy and education, widespread use of Facebook, because this study is expected to contribute to education.

## 2. METADOLOJİ

Our study has planned with screening model and carried out research, with the blended learning students in Sakarya University Computer Education and Instructional Technology department 2nd 3<sup>rd</sup> and 4<sup>th</sup> class. The concept of literacy is examined in detail and was created on Facebook literacy questionnaire with a single factor consisting of 17 items. To carry out the work of the validity of the questionnaire was created to explore the exploratory factor analysis (EFA) were conducted. Accordingly, the value of self-developed Facebook Literacy scale factor greater than 1, only 68.06% of the total variance structure 'constituted. It is over 30% of the explained variance, is sufficient for the behavioral sciences in the development of the test (Büyüköztürk, 2004). As a result of the Cronbach's alpha internal consistency reliability was 0.97. The validity and reliability of the results of studies show that Facebook is a valid and reliable scale of Literacy. With the 5-point Likert-type data collection tool that we have developed, collected 138 blended learning students' views. According to information from the data Sakarya University official department, our research universe has been with 193 blended learning students. In this study, it is important to study achieved almost all of the universe.

## 3. RESULTS

In this section, blended learning students participating in the survey of gender, class, having computer, how many hours per day spent their time at the computer, having internet, how many hours per day spent their time on the Internet, the purpose for which they use the Internet, which devices they use to connect to the internet, member social networking sites, which social networks they have membered and how many hours per day spend time on the social network. Demographic characteristics of the students' analyzed with t-test and ANOVA. The findings of  $P < .05$  or 5%, 95%, ignoring the margin of error was evaluated as reliable results (Büyüköztürk, 2011).

Blended learning students in terms of gender difference in the two means in order to determine the levels of literacy Facebook significance test (t-test) according to the values of literacy levels of the students on Facebook in the p-value is larger than .05. Because of that there is no significant difference according to gender ( $t = -1.745$ ,  $p = .083$ ) was found.

Blended learning in terms of students' class variable in order to determine the levels of literacy Facebook one-way analysis of variance (One Way ANOVA) according to the values of literacy levels of the students on Facebook in the p-value is larger than .05. Because of that there is no significant difference according to class ( $t = .302$ ,  $p = .740$ ) was found.

Blended learning students in terms of having computer difference in the two means in order to determine the levels of literacy Facebook significance test (t-test) according to the values of literacy levels of the students on Facebook in the p-value is larger than .05. Because of that there is no significant difference according to having computer ( $t = .854$ ,  $p = .431$ ) was found.

Blended learning in terms of how many hours spent time on computer per day variable in order to determine the levels of literacy Facebook one-way analysis of variance (One Way ANOVA) according to the values of literacy levels of the students on Facebook in the p-value is larger than .05. Because of that there is no significant difference according to spending time on computer ( $t = .641$ ,  $p = .634$ ) was found.

Blended learning students in terms of having internet access difference in the two means in order to determine the levels of literacy Facebook significance test (t-test) according to the values of literacy levels of the students on Facebook in the p-value is larger than .05. Because of that there is no significant difference according to having internet access ( $t = .882$ ,  $p = .470$ ) was found.

Blended learning in terms of how many hours spent time on internet per day variable in order to determine the levels of literacy Facebook one-way analysis of variance (One Way ANOVA) according to the values of literacy levels of the students on Facebook in the p-value is larger than .05. Because of that there is no significant difference according to spending time on the internet ( $t = 1,506$ ,  $p = .192$ ) was found.

Blended learning in terms of what is the purpose of using internet variable in order to determine the levels of literacy Facebook significance test (t-test) according to the values of literacy levels of the students on Facebook in the p-value is larger than .05. Because of that there is no significant difference in reading news/books/music/radio, playing game, doing homework/studying lesson, chat, improving foreign language, having communication, watching video/tv, sending e-mail according to purpose of using internet was found.

Blended learning in terms of which devices are using to access the internet variable in order to determine the levels of literacy Facebook significance test (t-test) according to the values of literacy levels of the students on Facebook in the p-value is larger than .05. Because of that there is no significant difference according to devices in laptop, personel computer, tablet, mobile phone to access the internet was found.

Blended learning students in terms of membering a social network difference in the two means in order to determine the levels of literacy Facebook significance test (t-test) according to the values of literacy levels of the students on Facebook in the p-value is larger than .05. Because of that there is no significant difference according to membering a social network ( $t = 1,829$ ,  $p = .208$ ) was found.

Blended learning in terms of which social networks are you a member variable in order to determine the levels of literacy Facebook significance test (t-test) according to the values of literacy levels of the students on Facebook in the p-value is larger than .05. Because of that there is no significant difference according to twitter and others was found. But there is a significant difference in Facebook ( $t = 7,868$ ,  $p = .000$ ) and Google plus ( $t = 2,750$ ,  $p = .007$ ).

Blended learning in terms of how many hours spent time on social networks per day variable in order to determine the levels of literacy Facebook one-way analysis of variance (One Way ANOVA) according to the values of literacy levels of the students on Facebook in the p-value is smaller than .05. Because of that there is a significant difference according to spending time on the social network per day ( $t = 3,282$ ,  $p = .008$ ) was found.

Also to determine the differences in detail Tamhane test has used. There couldn't find a significant differences, either.

#### 4. CONCLUSION

Students participated in the study, which examined students' levels of literacy Facebook member variable of social networking sites, Facebook and Google Plus seems to be a significant difference according to the variable. This results in students spend time on Facebook, on their own, solve the problems encountered can be explained by. Blended learning courses, students are also an effective way to use Facebook, Facebook is seen that the relationship between the levels of literacy.

Facebook literacy levels of the students was how many hours per day spending time on social networks variable. The students were a significant differences according to spending time on social networks. This results in students spend time on social networks, they are looking for and finding can be explained by integration of social networking platform.

As a result of this study shows that to be member of Facebook and spent time on Facebook affects their Facebook literacy level. So that by using Facebook in the education process can help students to get the information more effectively and efficiently. After the classifying, analyzing, sorting and synthesizing the information, they can put out a new product.

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